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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 9161.018.00-US

First Inventor Stanford W. Crane, Jr.

Title HIGH PERFORMANCE OPTOELECTRONIC, etc.

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 37]
- (preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed Sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 14]
5. Oath or Declaration [Total Pages]
- a. Newly executed (original or copy)
- b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:
 Box Patent Application
 Commissioner for Patents
 Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or paper
 - ii. Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (copy filed with parent application)
10. 37 CFR 3.73(b) Statement
(when there is an assignee) Power of Attorney
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).
Applicant must attach form PTO/SB/35 or its equivalent.
17. Other:
 - 1. Check for \$1856.00
 - 2. Advanced Serial No. Request Card

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09/940,649

Prior application information: Examiner Not Yet Assigned Group / Art Unit: 2874

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Labelor Correspondence address below
30827

Name	LONG ALDRIDGE & NORMAN LLP John M. Kelly				
Address	701 Pennsylvania Avenue N.W. Suite 600				
City	Washington	State	DC	Zip Code	20004
Country	US	Telephone	(202) 624-1200		Fax (202) 624-1298

Name (Print/Type)	John M. Kelly	Registration No. (Attorney/Agent)	33,920
Signature			Date February 14, 2002

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

 Application claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 1,856.00)**Complete if Known**

Application Number	Not Yet Assigned
Filing Date	February 14, 2002
First Named Inventor	Stanford W. Crane, Jr.
Examiner Name	Not Yet Assigned
Group Art Unit	N/A
Attorney Docket No.	9161.018.00-US

METHOD OF PAYMENT (check all that apply)

<input checked="" type="checkbox"/>	Check	<input type="checkbox"/>	Credit Card	<input type="checkbox"/>	Money Order	<input type="checkbox"/>	Other	<input type="checkbox"/>	None
<input type="checkbox"/> Deposit Account									

Deposit Account Number 50-0911

Deposit Account Name Long Aldridge & Norman LLP

The Commissioner is hereby authorized to: (check all that apply)

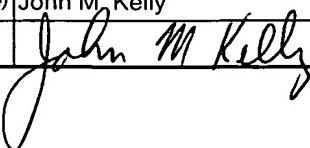
- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	
105 740	201 370	Utility filing fee	740.00
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	
SUBTOTAL (1) (\$)		740.00	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			
Total Claims 82	-20** =	62 x 18.00 =	1,116.00
Independent Claims 3	-3** =	3 x 0.00 =	0.00
Multiple Dependent			
Large Entity Small Entity			
Fee Code (\$)	Fee Code (\$)	Fee Description	
103 18	203 9	Claims in excess of 20	
102 84	202 42	Independent claims in excess of 3	
104 280	204 140	Multiple dependent claim, if not paid	
109 84	209 42	** Reissue independent claims over original patent	
110 18	210 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$)		1,116.00	
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$)		0.00	

** or number previously paid, if greater; For Reissues, see above

Complete (if applicable)

SUBMITTED BY			
Name (Print/Type)	John M. Kelly	Registration No. (Attorney/Agent)	33,920
Signature		Date	February 14, 2002